



ARPA-H Dash

The Advanced Research Projects Agency for Health

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March 22, 2023

The Promise of ARPA-H

**Accelerate better
health outcomes
for everyone.**



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President Biden's vision

"ARPA-H will pursue ideas that break the mold on how we normally support fundamental research and commercial products in this country."

- President Biden Remarks, March 18, 2022

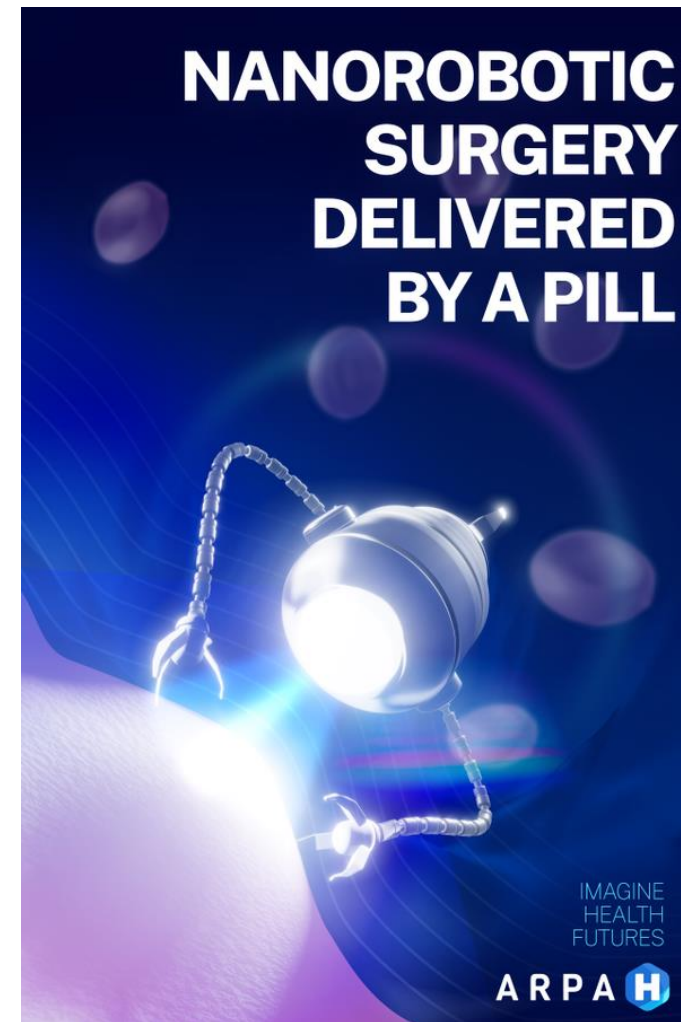
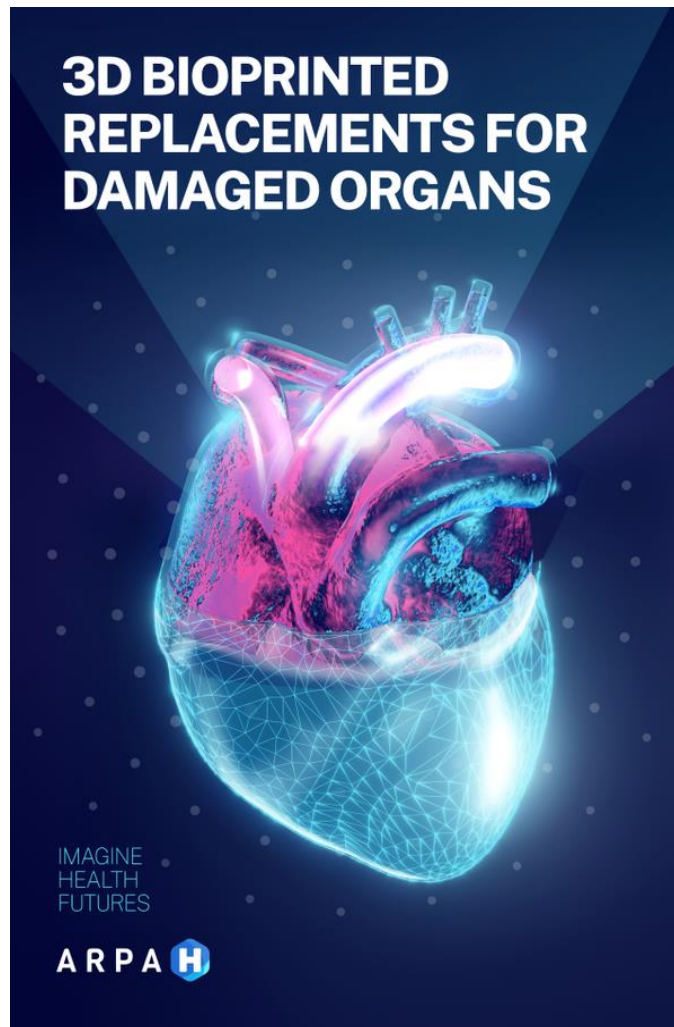


The infographic features a background image of President Biden standing with three other officials in front of the White House. At the top, there is a circular seal of the White House. The title 'DELIVERING BIPARTISAN PROGRESS' is prominently displayed in large, bold, blue letters. Below the title, the subtitle 'THROUGH PRESIDENT BIDEN'S UNITY AGENDA' is written in smaller, white, all-caps letters. The infographic lists four achievements, each preceded by a checkmark icon in a white box:

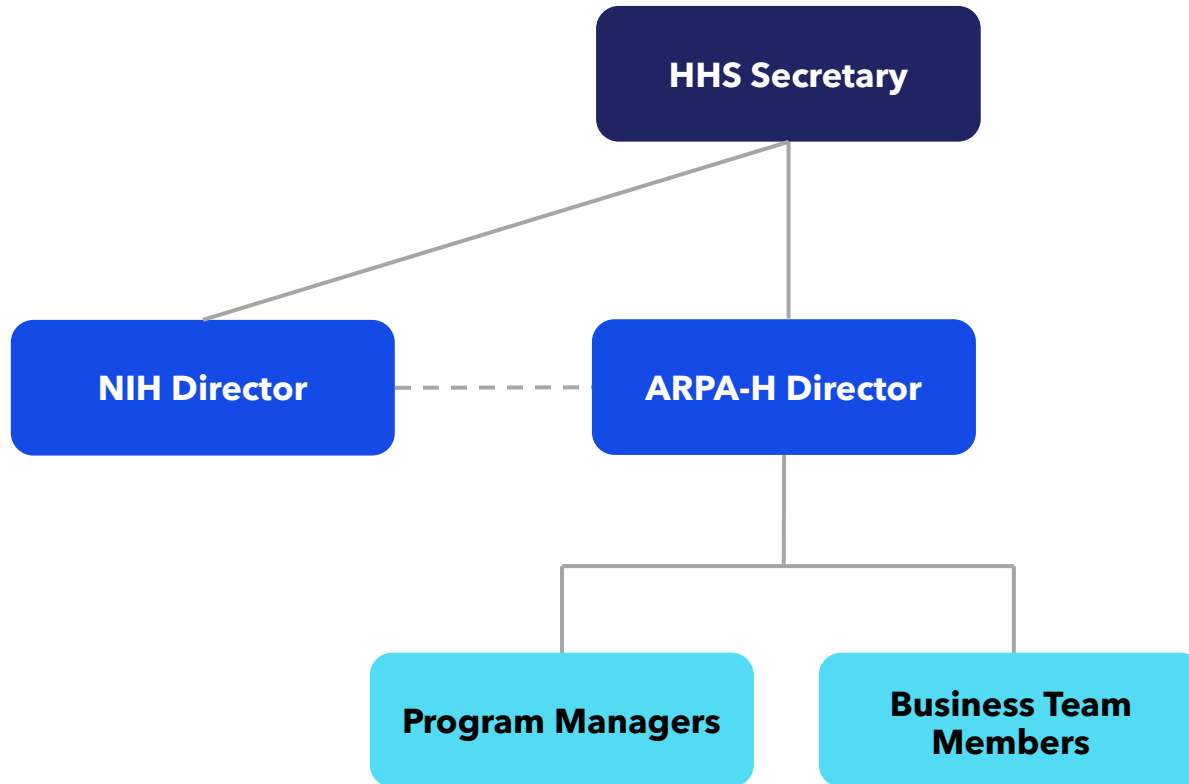
- Made it easier for doctors to prescribe effective treatments for opioid addiction
- Passed a gun safety law making historic investments in youth mental health
- Launched ARPA-H to drive breakthroughs in the fight against cancer, Alzheimer's, and diabetes
- Expanded benefits and services for veterans and their survivors

At the bottom right, the URL 'WH.GOV/SOTU' is displayed in white, all-caps letters.

Imagine if...



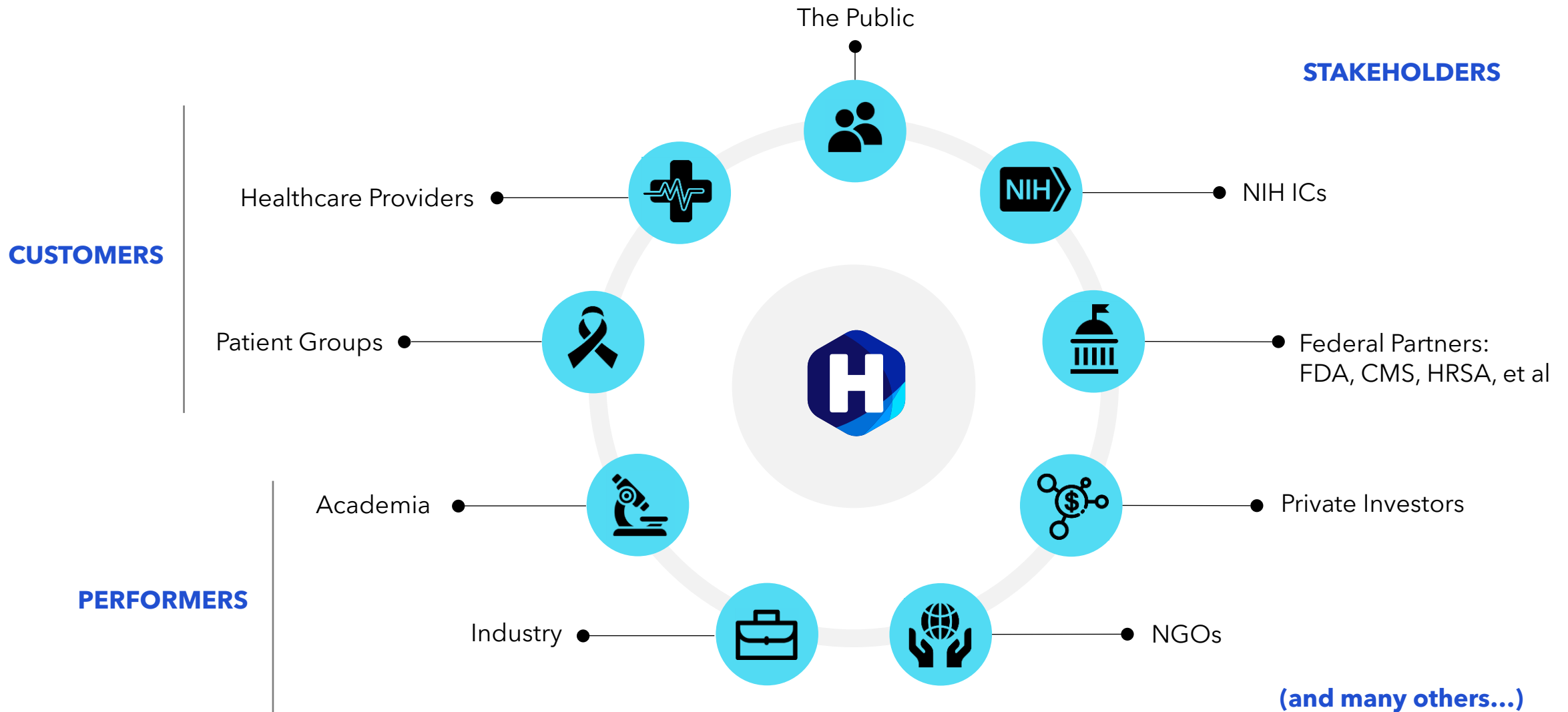
ARPA-H Organization within HHS



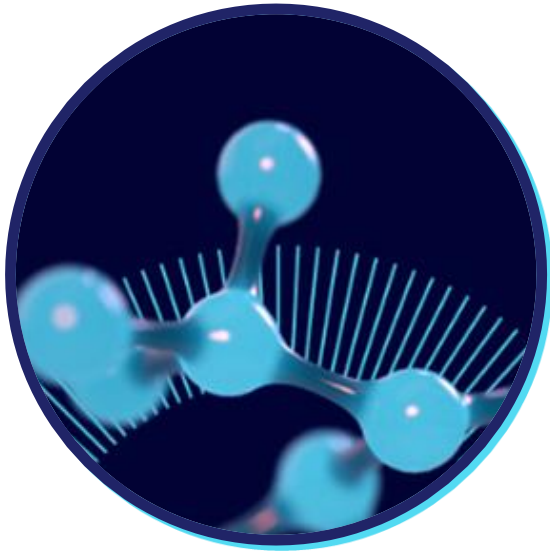
ARPA-H Key Features & Authorities

- ARPA-H is a Federal R&D Funding Agency
- Congress has provided \$2.5B to start; funding independent of NIH
- Independent component of HHS within NIH, but not an Institute
- ARPA-H Director reports directly to HHS Secretary
- No internal research labs; disease agnostic
- Lean and nimble management structure
- Bottom-up Program Manager driven ideas and decision-making
- Prize Authority
- Not grant-based; focus on Cooperative agreements, OTAs, contracts
- High Risk/High Impact Research

ARPA-H Health Ecosystem



ARPA-H is Open for Business!



First BAA Announcement

ARPA-H opened its first Agency-wide Open BAA, seeking funding proposals for research aiming to improve health outcomes across patient populations, communities, diseases, and health conditions. The BAA calls for proposals to outline breakthrough research and technological advancements.

[Open Broad Agency Announcement | ARPA-H](#)
[SAM.gov](#)



Site Selection

ARPA-H seeks to establish sites in three geographic locations across the United States through the pursuit of a hub-and-spoke strategy. ARPA-H will solicit respondents to identify the geographic locations sites for Hub No. 2 and 3, issuing a draft Request for Consortium Agreement (RCA), describing the approach to identify the unique locations and capabilities that best serve the ARPA-H mission.

[Request for Proposals | ARPA-H & SAM.gov](#)

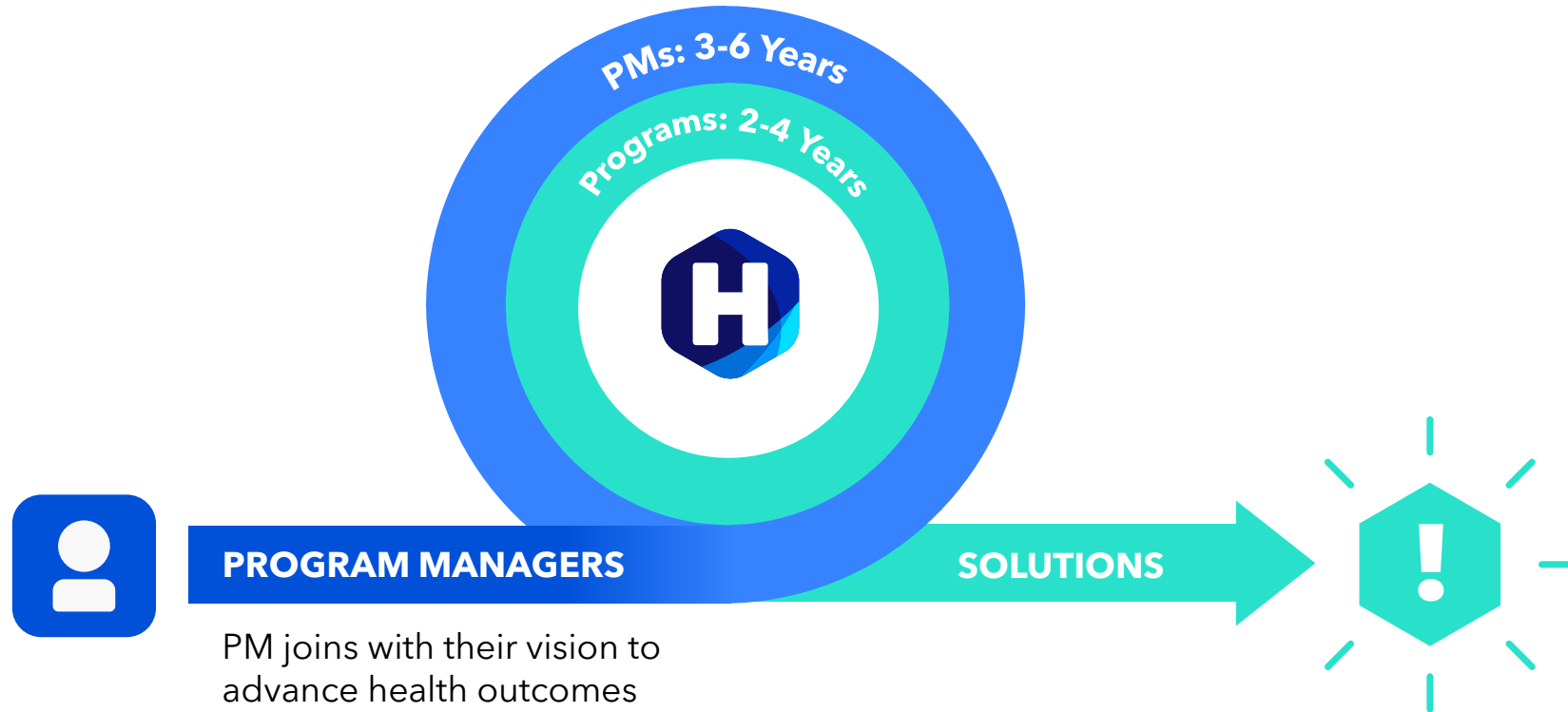
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ARPA-H Dash

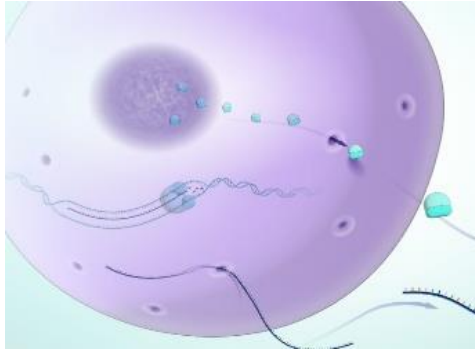
The ARPA-H Dash to Accelerate Health Outcomes, or "ARPA-H Dash," is launching to identify revolutionary evidence-based ideas to transform health. The ARPA-H Dash is a collaborative online competition open to bold thinkers across health and scientific communities and provides a simple, engaging, and impactful way to solicit the best ideas in the country to enhance the ARPA-H mission.

The Program and Program Manager Flywheel



The ARPA-H portfolio is (1) a reflection of the program managers, (2) dynamic, and (3) will - and should! - change frequently

Organizational Attributes



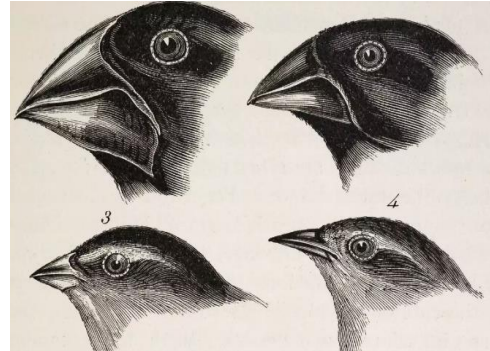
Nucleus of Org.

Facilitating the Future

PMs are the nucleus of the organization, and their energy and passion drive the mission.

ODs and DIRO “work for” the PMs to facilitate success.

PMs are responsible for the full program lifecycle, from new start proposal to transition.



Radical change

Evolutionary proposers need not apply

ARPA-H investments should seek to address seemingly impossible barriers in demonstrating “proof of concept” for solutions to major challenges – not incremental advances.

Projects should be high-payoff, high-risk, with the most forward-looking science and technology.



Autonomy

Programs are PM directed

Workshops, consultations, seedlings are encouraged, but no advisory/guidance committees

PMs should practice “full contact” management, with metrics/milestones for program, empowered to stop underperforming projects

PMs manage multiple programs, including programs they inherit from departing PMs



Term limits

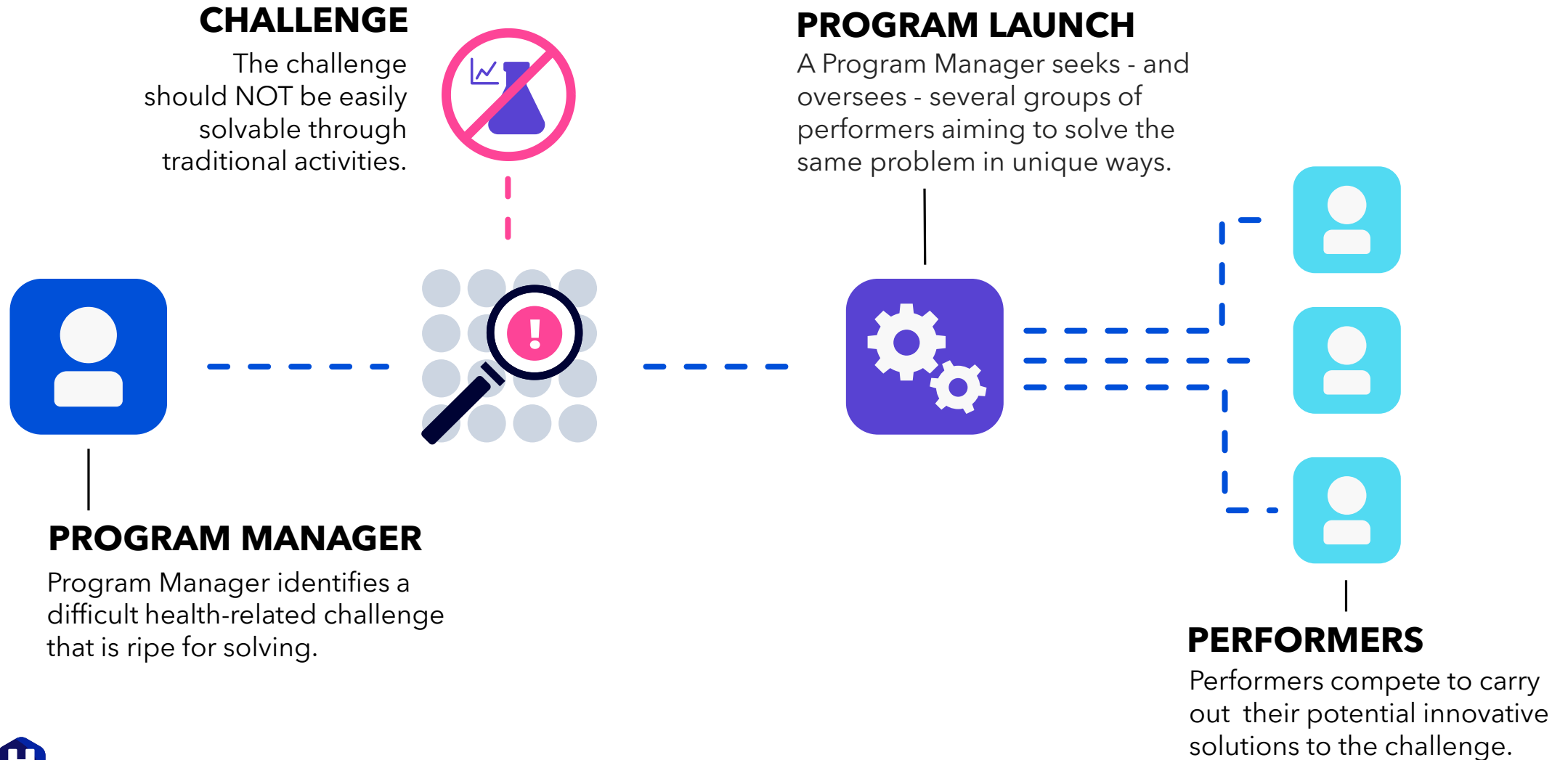
A “projects” agency, not a career

Terms limited to 3 years (renewable once for 6 total years) for PMs, ODs, and DDs, allowing inflow of new ideas

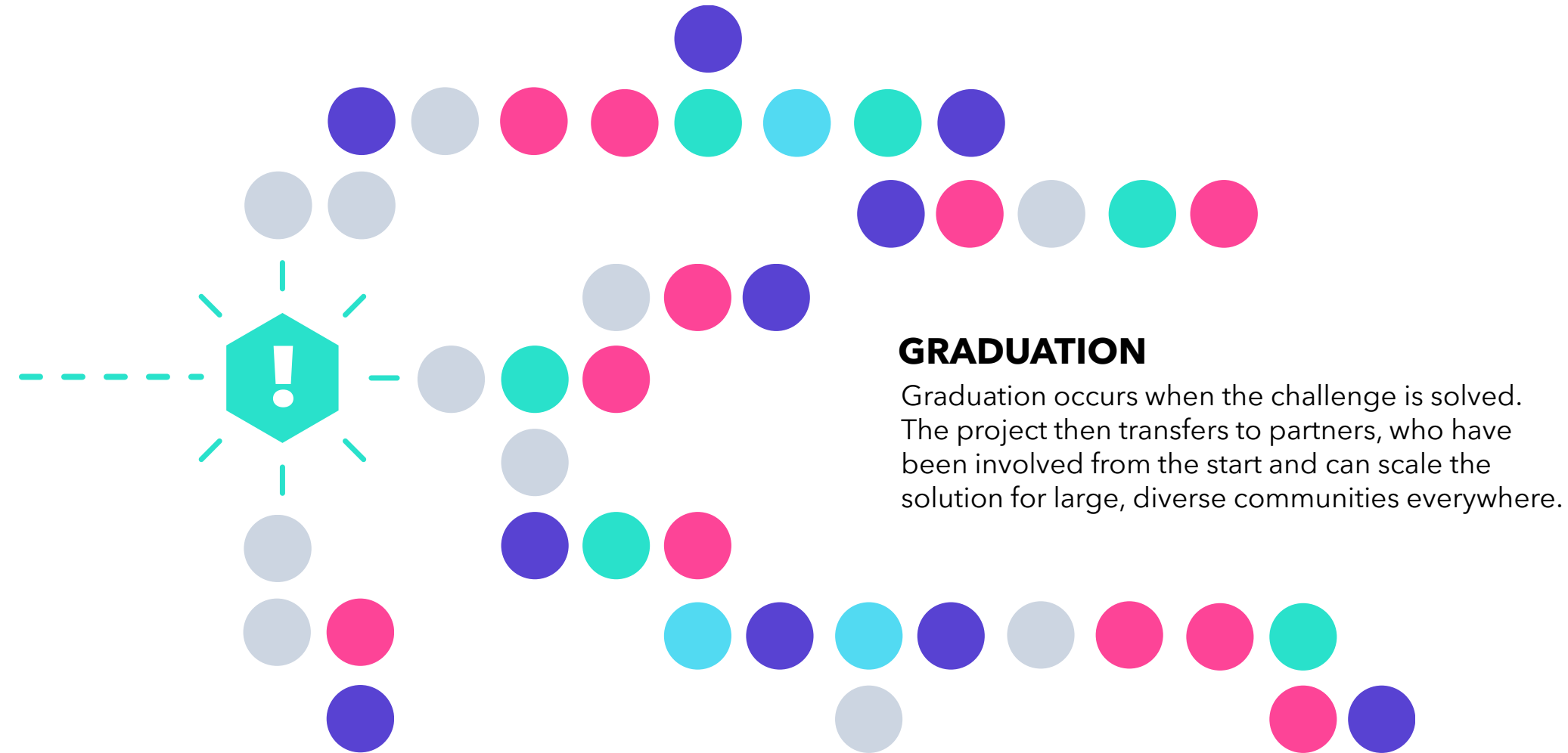
Limits create urgency and focus on successful NSPs – aligned with office/agency

Limits remove incentives for empires, organization-building, span of control, bureaucracy, etc.

ARPA Model: Program Formation



ARPA Model: Transition

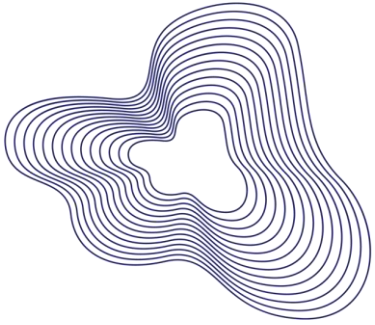


ARPA-(H)eilmeier Questions

Towards a Well-Defined Problem

- 1 What are you trying to do? What health problem are you trying to solve?
- 2 How does this get done at present? Who does it? What are the limitations of present approaches?
- 3 What is new about our approach? Why do we think we can be successful at this time?
- 4 Who cares? If we succeed, what difference will it make?
- 5 What are the risks? That may prevent you from reaching your objectives? Any risks the program itself may present?
- 6 How long will it take?
- 7 How much will it cost?
- 8 What are our mid-term and final exams to check for success?
- 9 To ensure equitable access for all people, how will cost, accessibility, and user experience be addressed?
- 10 How might this program be misperceived or misused (and how can we prevent that from happening)?

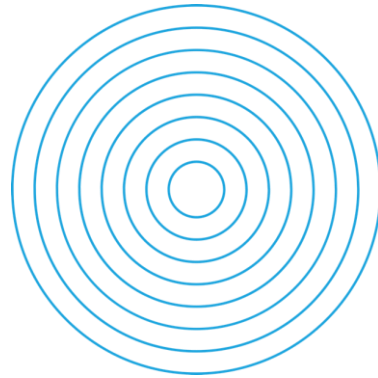
Initial Mission Focus Areas



Health Science Futures

Expanding what's technically possible

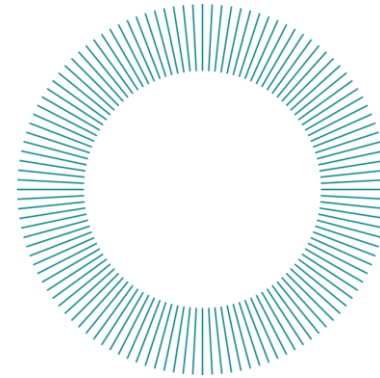
Accelerate advances across research areas and remove limitations that stymie progress towards solutions. These tools and platforms apply to a broad range of diseases.



Scalable Solutions

Reaching everyone quickly

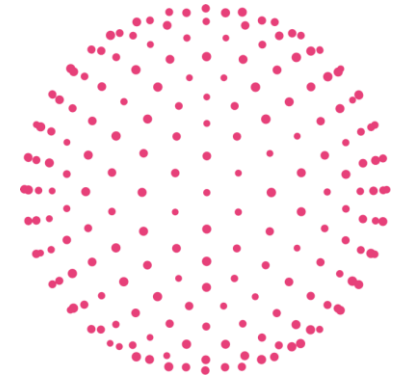
Address health challenges that include geography, distribution, manufacturing, data and information, and economies of scale to create programs that result in impactful, timely, and equitable solutions.



Proactive Health

Keeping people from being patients

Preventative programs will create new capabilities to detect and characterize disease risk and promote treatments and behaviors to anticipate threats to Americans' health, whether those are viral, bacterial, chemical, physical, or psychological.



Resilient Systems

Building integrated healthcare systems

Create capabilities, business models, and integrations to weather crises such as pandemics, social disruption, climate change, and economic instability. Systems are sustained between crises—from the molecular to the societal—to achieve better health outcomes.

ARPA-H Dash

Dr. John Main

Goal of the ARPA-H Dash

Bring everyone affected by health ...

- Scientists
 - Engineers
 - Entrepreneurs
 - Practitioners
 - Policymakers
 - Lawmakers
 - Businesses
- and patients
(and non-patients)**

...together in a productive, rigorous conversation, where all types of health improvements can be proposed, debated, and evaluated.

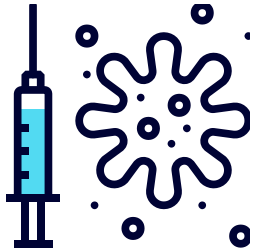
Unique ARPA-H challenges require a unique approach.

Bring your knowledge to the online ARPA-H Dash to Accelerate Health Outcomes

- **64** Transformation Ideas
Selected from Public
Submissions
- **6** Rounds of Paired
Matchups Lead to a
Champion
- Paired winners judged on
entry quality, voting, and
debate

Anyone can submit! Here's what an entry looks like

1.



Explain what transformation you are proposing.

(200 character limit)

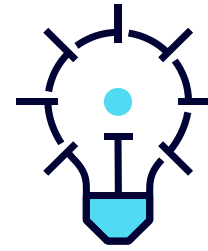
2.



Explain how it is done today, and what the current limits are.

(200 character limit)

3.



What is new in your approach and why do you think it will be successful and transformational?

(200 character limit)

4.



Attach a reference to a critical reference or paper that strengthens your argument.

This is a bit of work, but helps people understand your thinking. If they support you, then you could be a winner!

A great entry could win you a prize



Transformation Evidence Champion:

\$15,000

Runner-up, Transformation:

\$12,000

Two Semi-Finalists:

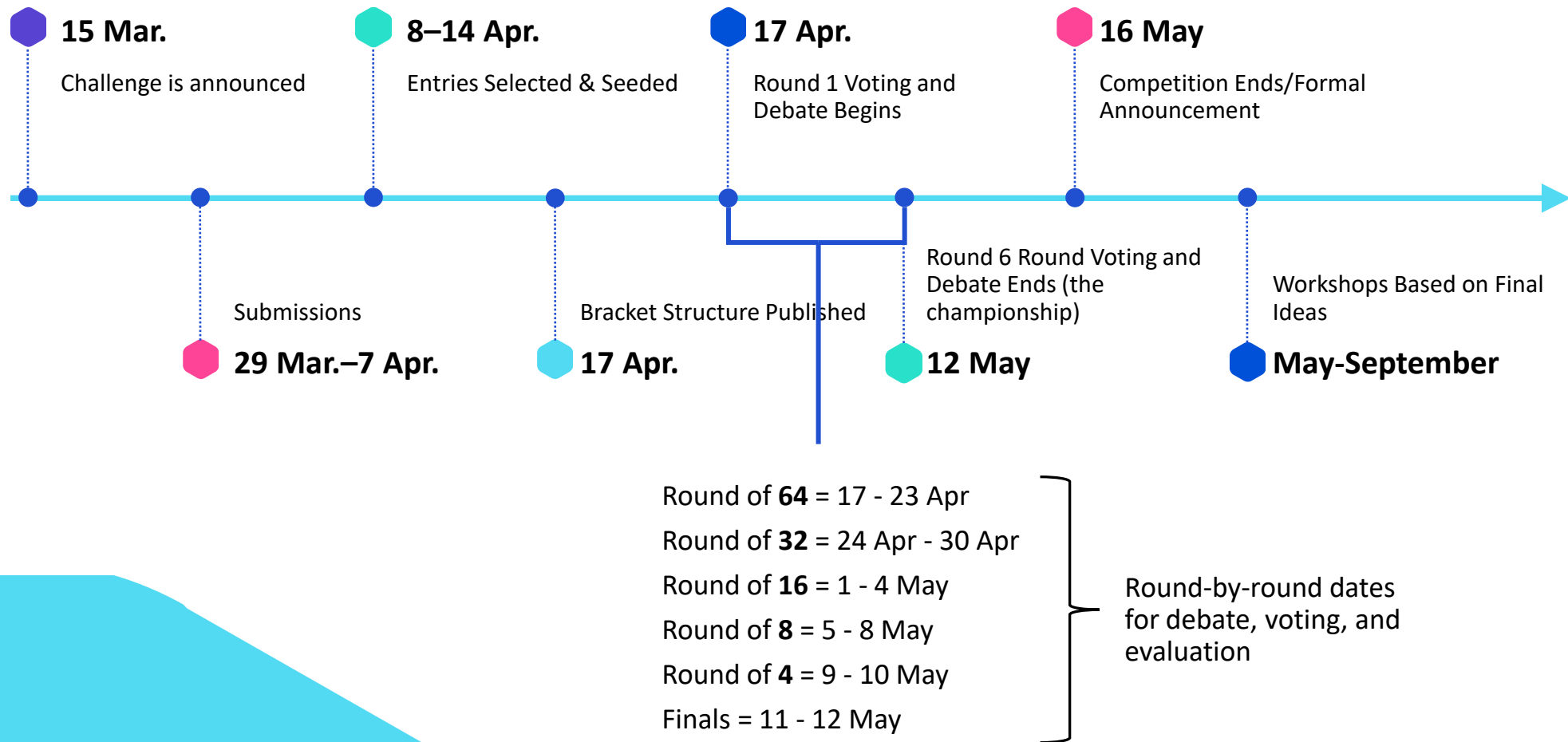
\$10,000 Each

Four Quarterfinalists:

\$6,000 Each

You can also participate by joining the debate and voting on the head to head matchups. Top voting records win \$100 to \$1500.

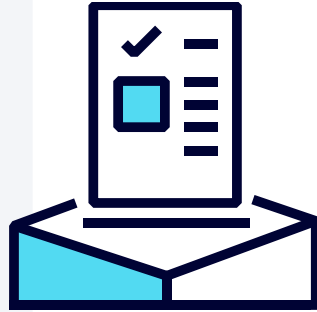
Timeline



Two ways for the public to participate!

Do one (good) or do both (better!)

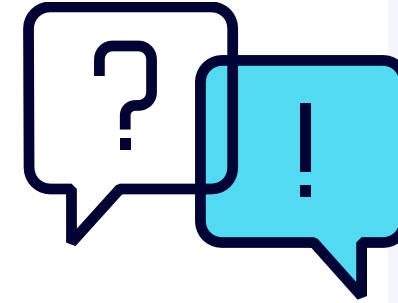
1.



Enter a Health Transformation
Idea

www.arpa-h.gov

2.



Join the debate and vote in the
Head-to-Head Matchups

polyplexus.com

CALL TO ACTION



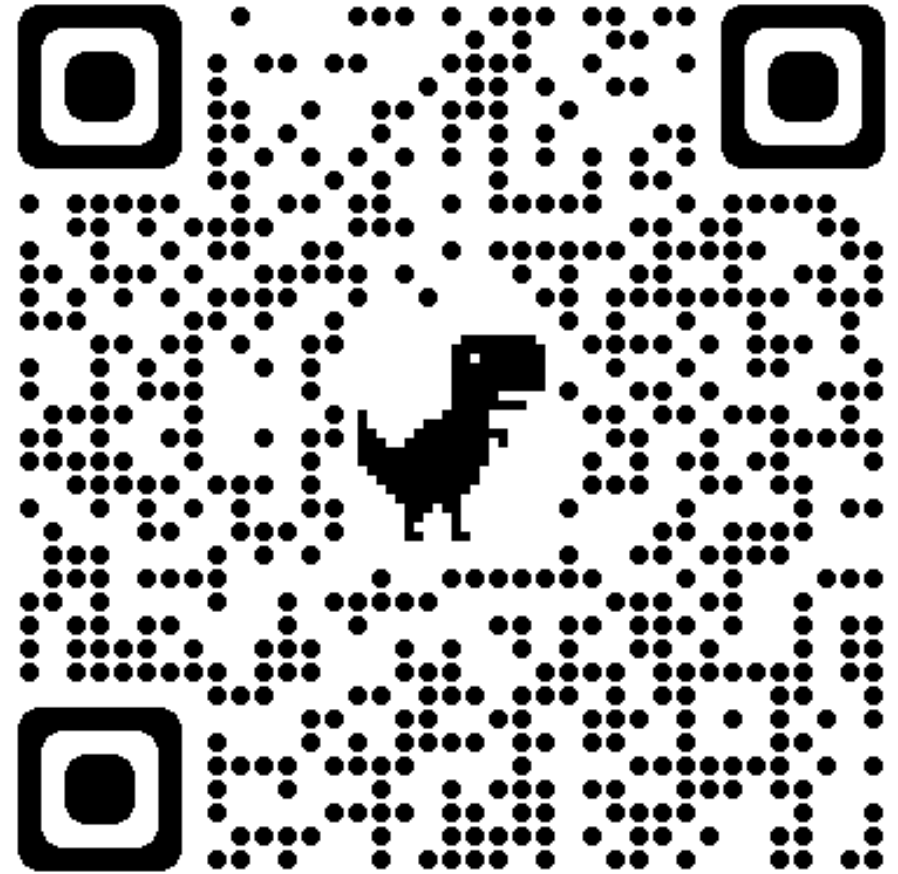
To participate in the Virtual Q&A, log in to Polyplexus (*if you don't have an account, [register here](#)*) and visit the [competition portal page](#).



Then, go to the [Questions](#) tab and post your questions under the category threads. A competition representative will answer within the hour.



The [Questions](#) tab is live now if you'd like to start posting immediately, and it will be live for the duration of the event. This live session is the best way to ensure your questions are answered before the submission period opens and get real-time responses to follow-up questions.



Register Now

<https://polyplexus.com/>